

## MATERIAL SAFETY DATA SHEET

DATE PRINTED: 3/18/2005  
W. M. Barr

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## SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

MANUFACTURERS NAME  
W.M. BARR & COMPANY, INC.ADDRESS  
2105 Channel Avenue  
Memphis, TN 38113 USAEMERGENCY TELEPHONE #1  
901-775-0100EMERGENCY CONTACT  
W.M. Barr Technical Services

## EMERGENCY INFORMATION

"3E" 24 HOUR MEDICAL EMERGENCY #, 800 451-8346.  
SEE SECTION 5 FOR ADDITIONAL EMERGENCY INFORMATIONINVENTORY ITEM #  
EBP87.1PRODUCT NAME  
GL BRASS PROTECTOR COAT 5.5 OZREVISED BY  
W.M. Barr Technical ServicesREVISION DATE  
4/20/1994

## SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

## CARCINOGENICITY

SUBSTANCE DESCRIPTION	PERCENT	CAS#	NTP	ACGIH	OSHA	IARC
ALIPHATIC PETROLEUM DISTILLATE	40- 45	64742-89-8	N	N	N	N
** ABOVE INGREDIENT CONSISTS OF THE FOLLOWING **						
VM&P NAPHTHA	95-100	8032-32-4	N	N	N	N
VINYL TOLUENE/VEGETABLE OIL	10- 15	N/A	N	N	N	N
COPOLYMER						
** ABOVE INGREDIENT CONSISTS OF THE FOLLOWING **						
VM&P NAPHTHA	35- 40	64742-89-8	N	N	N	N
MODIFIED OIL	60- 65	PROPRIETARY	N	N	N	N
N-BUTYL ACETATE	10- 15	123-86-4	N	N	N	N
PROPELLANT	25- 30	68476-86-8	N	N	N	N
** ABOVE INGREDIENT CONSISTS OF THE FOLLOWING **						
PROPANE	30- 35	74-98-6	N	N	N	N
BUTANE	65- 70	106-97-8	N	N	N	N
AROMATIC PETROLEUM DISTILLATE	5- 10	64742-95-6	N	N	N	N
** ABOVE INGREDIENT CONSISTS OF THE FOLLOWING **						
TRIMETHYLBENZENE	30- 40	25551-13-7	N	N	N	N
XYLENE	5- 10	1330-20-7	N	N	N	N
HIGH FLASH NAPHTHA	50- 55	64742-95-6	N	N	N	N

## SECTION 3. REGULATORY INFORMATION

## EXPOSURE LIMITS/REGULATORY INFORMATION

SUBSTANCE DESCRIPTION	REG.	AGCY	U/M	TWA	STEL	CEIL	SKIN	PEL
ALIPHATIC PETROLEUM DISTILLATE	ACGIH	PPM		N/E	N/E	N/E	N	N/E
	OSHA	PPM		N/E	N/E	N/E	N	N/E
VM&P NAPHTHA	ACGIH	PPM		300.00	N/E	N/E	N	N/E
	OSHA	PPM		300.00	400.00	N/E	N	N/E
VINYL TOLUENE/VEGETABLE OIL	ACGIH	PPM		N/E	N/E	N/E	N	N/E
COPOLYMER	OSHA	PPM		N/E	N/E	N/E	N	N/E
VM&P NAPHTHA	ACGIH	PPM		300.00	N/E	N/E	N	N/E
	OSHA	PPM		300.00	400.00	N/E	N	300.00

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SECTION 3. REGULATORY INFORMATION  
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MODIFIED OIL	ACGIH OSHA	PPM PPM	N/E N/E	N/E N/E	N/E N/E	N N	N/E N/E
N-BUTYL ACETATE	ACGIH OSHA	PPM PPM	150.00 150.00	200.00 200.00	N/E N/E	N N	N/E 150.00
PROPELLANT	ACGIH OSHA	PPM PPM	N/E N/E	N/E N/E	N/E N/E	N N	N/E N/E
PROPANE	ACGIH OSHA	PPM PPM	N/E 1000.00	N/E N/E	N/E N/E	N N	N/E 1000.00
BUTANE	ACGIH OSHA	PPM PPM	800.00 800.00	N/E N/E	N/E N/E	N N	N/E N/E
AROMATIC PETROLEUM DISTILLATE	ACGIH OSHA	PPM PPM	N/E N/E	N/E N/E	N/E N/E	N N	N/E 100.00

OSHA PEL AS PROVIDED BY SUPPLIER.

TRIMETHYLBENZENE	ACGIH OSHA	PPM PPM	25.00 25.00	N/E N/E	N/E N/E	N N	N/E N/E
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MAY CONTAIN 50% PSEUDOCUMENE, CAS# 95-63-6 AND  
22.5% 1,3,5-TRIMETHYLENEBENZENE, CAS# 108-67-8.

XYLENE	ACGIH OSHA	PPM PPM	100.00 100.00	150.00 150.00	N/E N/E	N N	N/E 100.00
HIGH FLASH NAPHTHA	ACGIH OSHA	PPM PPM	N/E N/E	N/E N/E	N/E N/E	N N	N/E N/E

THE SUPPLIER RECOMMENDS AN EXPOSURE GUIDELINE OF 50 PPM, TLV.

## ADDITIONAL REGULATORY INFO

The time weighted average (TWA) value described herein is a threshold limit value (TLV) as established by ACGIH. The permissible exposure limit (PEL) is a value established by OSHA.

## CALIFORNIA (PROPOSITION #65)

Ingredients in this product are not listed on California's Prop 65 list: "Chemicals Known to the State to Cause Cancer or Reproductive Toxicity."

## SEC. 313 SUPPLIER NOTIFICATION

The following information must be included in all MSDS that are copied and distributed for this material.

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40CFR 372):

SUBSTANCE DESCRIPTION	PERCENT BY WEIGHT (UPPER LIMIT)	CAS#
CUMENE	1	98-02-8
XYLENE	1	1330-20-7

## CLEAN AIR ACT

This formula contains no known ozone depleting chemicals.

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SECTION 3. REGULATORY INFORMATION  
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## HAZARD COMMUNICATION STANDARD

This document is prepared in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200). This MSDS contains thirteen (13) sections.

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The following effects and/or symptoms are not expected to be experienced by persons who use this product properly and according to ALL instructions, precautions, and warnings; however, should the product user experience ANY questionable effects or symptoms, the product user should immediately seek medical attention.

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SECTION 4. HAZARDS IDENTIFICATION  
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## INHALATION ACUTE EXPOSURE EFFECTS

Vapor harmful. May cause dizziness; headache; irritation of the respiratory tract; irritation of mucous membranes; weakness; drowsiness; nausea; loss of coordination; depression of the central nervous system; anesthesia; fatigue; light headedness; vomiting; irregular heartbeat; unconsciousness; and death. The propellant in this product is a simple asphyxiant.

## SKIN CONTACT ACUTE EXPOSURE EFFECTS

May cause irritation, defatting, drying and cracking of skin, redness, burns, and dermatitis.

## EYE CONTACT ACUTE EXPOSURE EFFECTS

This material is an eye irritant. May cause irritation, tearing, stinging, redness and blurred vision.

## INGESTION ACUTE EXPOSURE EFFECTS

Harmful or fatal if swallowed. May cause dizziness; headache; weakness; drowsiness; nausea; loss of coordination; irritation to mouth, throat and stomach; depression of the central nervous system; vomiting; gastrointestinal irritation; diarrhea; and fatigue. Product aspirated into lungs can cause chemical pneumonitis, which can be fatal.

## CHRONIC EXPOSURE EFFECTS

Reports have associated repeated and prolonged overexposure to solvents with neurological and other physiological damage. Prolonged or repeated contact may cause dermatitis. May cause skin irritation; drying of skin; redness, burning and cracking of skin; defatting of skin; dermatitis; liver damage; and kidney damage.

## MEDICAL CONDITIONS AGGRAVATED

Diseases of the skin; liver; kidneys; lungs; and respiratory system.

## PRIMARY ROUTE OF EXPOSURE

Inhalation, ingestion, and dermal.

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SECTION 5. FIRST AID MEASURES  
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## INHALATION

If user experiences breathing difficulty, move to air free of vapors. Administer oxygen or artificial respiration until medical assistance can be rendered.

## SKIN CONTACT

Wash with soap and water.

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SECTION 5. FIRST AID MEASURES  
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## EYE CONTACT

Flush with large quantities of water for at least 15 minutes and seek immediate medical attention.

## INGESTION

DO NOT induce vomiting. Call your poison control center, hospital emergency room, or physician immediately.

## NOTE TO PHYSICIAN

This formula is registered with POISINDEX.  
Call your local poison control center for further information.

## SECTION 6. FIRE FIGHTING MEASURES

HAZARD RATING SOURCE	HMIS	NFPA
HEALTH	2	1
FLAMMABILITY	4	4
REACTIVITY	0	0
OTHER	X	NA

## FLASH METHOD

Flame extension.

## FLASH POINT

N/E F N/E C Not applicable.

## LOWER EXPLOSION LIMIT

N/E

## GENERAL COMMENTS

Aerosol Flammability Classification according to ASTM D-3065-77 and FHSA 1500.45.

CPSC FLAMMABILITY: Extremely Flammable Aerosol

## EXTINGUISHING METHOD

Use carbon dioxide, dry powder, or foam.

## FIRE FIGHTING PROCEDURES

Self-contained respiratory protection should be provided for fire fighters fighting fires in buildings or confined areas. Storage containers exposed to fire should be kept cool with water spray to prevent pressure build-up. Stay away from heads of containers that have been exposed to intense heat or flame.

## FIRE AND EXPLOSION HAZARDS

DANGER! EXTREMELY FLAMMABLE. KEEP AWAY FROM HEAT, SPARKS, FLAME AND ALL OTHER SOURCES OF IGNITION. VAPORS MAY CAUSE FLASH FIRE OR IGNITE EXPLOSIVELY. Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and all other sources of ignition during use and until all vapors are gone. Beware of static electricity that may be generated by synthetic clothing and other sources. Contents under pressure. Do not puncture, incinerate or store above 120 degrees F. Exposure to heat or prolonged exposure to sun may cause bursting.

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SECTION 7. ACCIDENTAL RELEASE MEASURES  
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## CLEAN-UP

Keep unnecessary people away. Isolate hazard and deny entry until all gas has dispersed. Stop leak if you can do it without risk. Stay upwind, out of low areas and ventilate closed areas before entering. Keep flares, smoking or flames out of the hazard area. Use water spray to reduce vapors. For the liquid portion of the spill, take up liquid with sand, earth or other non-combustible absorbent material and place in a plastic container where applicable. Do not touch or walk through spilled material.

For transportation related spills, contact Chemtrec at 1-800-424-9300 for emergency assistance.

## WASTE DISPOSAL

Dispose in accordance with applicable local, state and federal regulations.

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SECTION 8. HANDLING AND STORAGE  
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## STORAGE

Store as Level 3 Aerosol (NFPA 30B)  
Replace overcap on container after each use. Store in a cool, dry place. Do not store near flames or at elevated temperatures.

## HANDLING

Read carefully all cautions and directions on product label before use. Since empty container retains residue, follow all label warnings even after container is empty. Dispose of empty container according to all regulations. Do not reuse this container.

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SECTION 9. TRANSPORT INFORMATION  
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## TRANSPORTATION

For D.O.T. information, contact W.M. Barr Technical Services Department.

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SECTION 10. EXPOSURE CONTROLS/PERSONAL PROTECTION  
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## VENTILATION PROTECTION

Use only with adequate ventilation to prevent build-up of vapors. Open all windows and doors. Use only with a cross ventilation of moving fresh air across the work area. If strong odor is noticed or you experience slight dizziness, headache, nausea, or eye-watering - STOP - ventilation is inadequate. Leave area immediately.

## RESPIRATORY PROTECTION

For OSHA controlled work place and other regular users - Use only with adequate ventilation under engineered air control systems designed to prevent exceeding appropriate TLV. For occasional use, where engineered air control is not feasible, use properly maintained and properly fitted NIOSH approved respirator for organic solvent vapors. A dust mask does not provide protection against vapors.

## SKIN PROTECTION

Wear impermeable gloves. Gloves contaminated with product should be discarded. Promptly remove clothing that becomes soiled with product.

## EYE PROTECTION

Safety glasses, chemical goggles or face shields are recommended to safeguard against potential eye contact, irritation, or injury. Contact lenses should not be worn while working with chemicals.

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SECTION 10. EXPOSURE CONTROLS/PERSONAL PROTECTION  
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## OTHER PROTECTION

Various application methods can dictate use of additional protective safety equipment, such as impermeable aprons, etc., to minimize exposure. A source of clean water should be available in the work area for flushing eyes and skin. Do not eat, drink, or smoke in the work area. Wash hands thoroughly after use. Before reuse, thoroughly clean any clothing or protective equipment that has been contaminated by prior use. Discard any clothing or other protective equipment that cannot be decontaminated, such as gloves or shoes.

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SECTION 11. PHYSICAL AND CHEMICAL PROPERTIES  
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## VOLATILE %

91.73  
(including propellant)

## BOILING POINT

GT 122.00 F 50.00 C Boiling Range: 122 F - 308 F

## VAPOR DENSITY (Air = 1.0)

Heavier than air.

## EVAPORATION RATE

Slower than ether.

## BULK DENSITY

6.685  
lbs/gal at 75 F

## pH FACTOR

N/E

## PHOTOCHEMICALLY REACTIVE

NO

## MAX V.O.C.

91.73 % by weight

## MAX VAPOR PRESSURE

Not Applicable

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SECTION 12. STABILITY AND REACTIVITY  
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## INCOMPATIBILITIES

Incompatible with strong oxidizing agents; strong bases; strong acids; nitrates; and amines.

## DECOMPOSITION

Thermal decomposition may produce carbon monoxide, carbon dioxide, and various hydrocarbons. Partial combustion may produce toxic fumes.

## POLYMERIZATION

Will not occur.

## STABILITY

Stable.

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SECTION 13. ADDITIONAL INFORMATION  
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## IMPORTANT NOTE

The information contained herein is presented in good faith and believed to be accurate as of the effective date shown above. This information is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. Any use of this data and information must be determined by the user to be in accordance with applicable federal, state and local laws and regulations.

## LEGEND:

PPM = parts per million  
MG/M3 = milligrams per cubic meter  
N/E or NE = none established  
GT = greater than  
N/A or NA = not applicable  
TCC = tag closed cup  
TOC = tag open cup  
PMCC = Pensky-Martens closed cup  
IDLH = Immediately Dangerous to Life and Health

\*\*\*END OF MSDS\*\*\*